Advances in Wireless Sensor Networks and the Internet of Things

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Message from the Guest Editors

The Internet of Things (IoT) is one of the areas based on smart networks where interconnected and autonomously managed interactive devices and sensor nodes are connected for different services. The main objective of these networks is to intelligently sense and monitor the data and forward them for further processing. Edge- and cloud-based networks are connected with IoT networks to facilitate users by using wireless and wireless mediums. Routing and data communication is one of the fundamental requirements for IoT networks. Advanced communication technologies are adopted such as Wi-Fi, 5G, and short- and long-range communication technologies. However, traditional wired network solutions do not perform well against more complex IoT services and massive data processing. This Special Issue covers the IoT network requirements, data center networks, massively parallel mining networks, hyperconnected networks, and edge-based analytics networks protocols and communication standards. Additionally, review articles which provide detailed 5G mobile network integration for high-speed data communication in IoT networks are also welcome.

Special Issue

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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